

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016095.D
 Acq On : 27 Oct 2023 10:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda
 10/30/2023

Supervised By :Semsettin
 Yesilyurt
 10/30/2023

Quant Time: Oct 30 06:04:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	186056	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	297638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	270097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	93994	50.806	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.620%			
35) Dibromofluoromethane	7.728	113	96632	51.428	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.860%			
50) Toluene-d8	10.185	98	357290	51.334	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.660%			
62) 4-Bromofluorobenzene	12.483	95	123291	51.641	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	66088	51.468	ug/l	99
3) Chloromethane	2.119	50	82446	52.398	ug/l	98
4) Vinyl Chloride	2.253	62	93353	51.934	ug/l	98
5) Bromomethane	2.656	94	67403	50.449	ug/l	97
6) Chloroethane	2.796	64	63599	51.655	ug/l	98
7) Trichlorofluoromethane	3.131	101	146897	51.067	ug/l	99
8) Diethyl Ether	3.540	74	48511	50.316	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.912	101	86646	49.931	ug/l	94
10) Methyl Iodide	4.101	142	112622	50.793	ug/l	97
11) Tert butyl alcohol	4.966	59	38574	183.633	ug/l #	82
12) 1,1-Dichloroethene	3.881	96	80525	50.649	ug/l	90
13) Acrolein	3.735	56	49569	215.119	ug/l	99
14) Allyl chloride	4.491	41	124596	50.133	ug/l #	91
15) Acrylonitrile	5.174	53	120138	254.005	ug/l	99
16) Acetone	3.954	43	127447	254.154	ug/l	91
17) Carbon Disulfide	4.204	76	221693	50.410	ug/l	99
18) Methyl Acetate	4.485	43	91028	51.343	ug/l #	91
19) Methyl tert-butyl Ether	5.235	73	234195	51.654	ug/l	100
20) Methylene Chloride	4.729	84	98597	50.570	ug/l	89
21) trans-1,2-Dichloroethene	5.235	96	93506	50.738	ug/l	93
22) Diisopropyl ether	6.131	45	281463	51.792	ug/l	90
23) Vinyl Acetate	6.070	43	752215	258.342	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	167285	51.094	ug/l	97
25) 2-Butanone	6.996	43	170295	251.622	ug/l	94
26) 2,2-Dichloropropane	6.990	77	148868	48.911	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	110560	51.083	ug/l	92
28) Bromochloromethane	7.344	49	70980	52.992	ug/l	92
29) Tetrahydrofuran	7.356	42	99510	256.260	ug/l	91
30) Chloroform	7.515	83	178118	51.500	ug/l	99
31) Cyclohexane	7.795	56	138111	47.452	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	155903	50.254	ug/l	96
36) 1,1-Dichloropropene	7.929	75	130693	49.899	ug/l	99
37) Ethyl Acetate	7.082	43	68676	51.156	ug/l #	94
38) Carbon Tetrachloride	7.911	117	142272	51.367	ug/l	98
39) Methylcyclohexane	9.191	83	158096	49.548	ug/l	92
40) Benzene	8.167	78	382059	51.522	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	32699	46.541	ug/l	93
42) 1,2-Dichloroethane	8.246	62	109707	51.201	ug/l	93
43) Isopropyl Acetate	8.277	43	126192	50.274	ug/l #	91
44) Trichloroethene	8.947	130	103943	50.199	ug/l	100
45) 1,2-Dichloropropane	9.222	63	98854	52.672	ug/l	100
46) Dibromomethane	9.313	93	57710	52.442	ug/l	96
47) Bromodichloromethane	9.502	83	138732	52.128	ug/l	99
48) Methyl methacrylate	9.301	41	57455	49.684	ug/l #	86
49) 1,4-Dioxane	9.301	88	14007	1017.353	ug/l #	63
51) 4-Methyl-2-Pentanone	10.075	43	344095	259.796	ug/l	91
52) Toluene	10.252	92	245660	51.590	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	142060	52.199	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	162237	52.714	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	81482	52.114	ug/l	97
56) Ethyl methacrylate	10.514	69	107729	53.612	ug/l #	82
57) 1,3-Dichloropropane	10.795	76	137348	52.550	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	266701	266.610	ug/l	94
59) 2-Hexanone	10.837	43	258982	265.444	ug/l	88
60) Dibromochloromethane	10.990	129	99962	52.208	ug/l	99
61) 1,2-Dibromoethane	11.093	107	79214	52.909	ug/l	100
64) Tetrachloroethene	10.727	164	88056	49.265	ug/l	98
65) Chlorobenzene	11.520	112	268958	50.672	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	102805	51.864	ug/l	99
67) Ethyl Benzene	11.599	91	474596	50.340	ug/l	98
68) m/p-Xylenes	11.709	106	369998	101.412	ug/l	95
69) o-Xylene	12.032	106	178734	51.171	ug/l	95
70) Styrene	12.050	104	301397	51.766	ug/l	96
71) Bromoform	12.215	173	64529	53.443	ug/l #	99
73) Isopropylbenzene	12.337	105	473095	49.123	ug/l	100
74) N-amyl acetate	12.148	43	117439	50.009	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	99957	50.773	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	68294m	48.881	ug/l	
77) Bromobenzene	12.611	156	112577	50.086	ug/l	98
78) n-propylbenzene	12.678	91	576008	49.396	ug/l	100
79) 2-Chlorotoluene	12.764	91	320730	49.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	395562	49.470	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	33133	51.535	ug/l	90
82) 4-Chlorotoluene	12.861	91	333554	49.248	ug/l	99
83) tert-Butylbenzene	13.081	119	357204	50.258	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	394628	49.971	ug/l	98
85) sec-Butylbenzene	13.258	105	527783	49.857	ug/l	100
86) p-Isopropyltoluene	13.373	119	436721	49.441	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	225790	49.749	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	221346	49.347	ug/l	99
89) n-Butylbenzene	13.703	91	413868	50.227	ug/l	97
90) Hexachloroethane	13.965	117	86109	50.071	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	202897	50.492	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15200	49.179	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	125096	50.320	ug/l	99
94) Hexachlorobutadiene	15.117	225	70743	49.029	ug/l	98
95) Naphthalene	15.239	128	245247	50.583	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	107226	50.015	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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