

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015138.D
 Acq On : 16 Aug 2023 10:34
 Operator : SY/MD
 Sample : VY0816SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0816SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/17/2023
 Supervised By :Mahesh Dadoda 08/17/2023

Quant Time: Aug 16 16:17:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	186563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	304004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	120979	54.020	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.040%			
35) Dibromofluoromethane	7.716	113	107382	54.905	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.820%			
50) Toluene-d8	10.179	98	389064	53.439	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.880%			
62) 4-Bromofluorobenzene	12.483	95	138342	52.024	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19478	21.515	ug/l	98
3) Chloromethane	2.113	50	23865	19.056	ug/l	98
4) Vinyl Chloride	2.247	62	30322	20.425	ug/l	98
5) Bromomethane	2.631	94	23971	20.950	ug/l	100
6) Chloroethane	2.784	64	22838	21.189	ug/l	99
7) Trichlorofluoromethane	3.119	101	52667	21.054	ug/l	99
8) Diethyl Ether	3.527	74	19017	19.384	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	31213	20.077	ug/l	98
10) Methyl Iodide	4.088	142	26259	17.201	ug/l	98
11) Tert butyl alcohol	4.966	59	31072	72.788	ug/l #	81
12) 1,1-Dichloroethene	3.863	96	25348	19.526	ug/l	93
13) Acrolein	3.729	56	23311	140.623	ug/l	99
14) Allyl chloride	4.478	41	43957	19.098	ug/l	98
15) Acrylonitrile	5.161	53	65760	98.912	ug/l	99
16) Acetone	3.948	43	73161	100.000	ug/l	95
17) Carbon Disulfide	4.186	76	40154	17.576	ug/l	95
18) Methyl Acetate	4.472	43	51395	19.170	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	109001	19.747	ug/l	100
20) Methylene Chloride	4.710	84	44726	23.180	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	28452	19.430	ug/l	98
22) Diisopropyl ether	6.118	45	109406	19.050	ug/l #	93
23) Vinyl Acetate	6.057	43	325391	94.952	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	62682	20.159	ug/l	97
25) 2-Butanone	6.984	43	103438	99.854	ug/l	98
26) 2,2-Dichloropropane	6.978	77	56909	18.986	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	39724	19.859	ug/l	94
28) Bromochloromethane	7.332	49	29966	20.977	ug/l	92
29) Tetrahydrofuran	7.344	42	59473	96.017	ug/l	93
30) Chloroform	7.502	83	70381	20.192	ug/l	97
31) Cyclohexane	7.783	56	42694	19.801	ug/l #	89
32) 1,1,1-Trichloroethane	7.697	97	58947	19.874	ug/l	99
36) 1,1-Dichloropropene	7.917	75	42354	19.575	ug/l	98
37) Ethyl Acetate	7.076	43	38003	18.843	ug/l	95
38) Carbon Tetrachloride	7.899	117	50387	19.677	ug/l	99
39) Methylcyclohexane	9.185	83	47236	19.474	ug/l	93
40) Benzene	8.161	78	129515	19.799	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	19746	18.987	ug/l	98
42) 1,2-Dichloroethane	8.240	62	47730	20.090	ug/l	95
43) Isopropyl Acetate	8.270	43	70727	19.257	ug/l	98
44) Trichloroethene	8.935	130	39167	20.782	ug/l	92
45) 1,2-Dichloropropane	9.215	63	35863	19.442	ug/l	99
46) Dibromomethane	9.307	93	23445	20.152	ug/l	97
47) Bromodichloromethane	9.496	83	55405	19.957	ug/l	92
48) Methyl methacrylate	9.295	41	29978	19.081	ug/l	92
49) 1,4-Dioxane	9.301	88	8358	359.260	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	209580	98.460	ug/l	95
52) Toluene	10.246	92	84986	19.711	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	55532	19.033	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	59984	19.521	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	36009	20.356	ug/l	94
56) Ethyl methacrylate	10.508	69	49566	19.145	ug/l	90
57) 1,3-Dichloropropane	10.788	76	57826	20.008	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	121550	100.886	ug/l	93
59) 2-Hexanone	10.831	43	153966	97.733	ug/l	92
60) Dibromochloromethane	10.983	129	41141	19.496	ug/l	97
61) 1,2-Dibromoethane	11.087	107	32413	19.288	ug/l	98
64) Tetrachloroethene	10.721	164	40247	21.336	ug/l	95
65) Chlorobenzene	11.514	112	100010	20.273	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	39269	19.618	ug/l	96
67) Ethyl Benzene	11.593	91	171702	19.865	ug/l	95
68) m/p-Xylenes	11.703	106	132211	40.274	ug/l	96
69) o-Xylene	12.026	106	64578	19.747	ug/l	97
70) Styrene	12.044	104	111121	19.633	ug/l	97
71) Bromoform	12.209	173	27849	19.193	ug/l #	99
73) Isopropylbenzene	12.331	105	176113	19.663	ug/l	100
74) N-amyl acetate	12.142	43	62013	19.177	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	45770	19.621	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	36231m	21.410	ug/l	
77) Bromobenzene	12.605	156	44072	20.187	ug/l	99
78) n-propylbenzene	12.672	91	210430	19.785	ug/l	100
79) 2-Chlorotoluene	12.757	91	120633	19.661	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	148456	19.884	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	13855	17.983	ug/l	98
82) 4-Chlorotoluene	12.855	91	125274	19.763	ug/l	98
83) tert-Butylbenzene	13.074	119	135266	19.808	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	148210	19.866	ug/l	98
85) sec-Butylbenzene	13.251	105	200126	20.001	ug/l	100
86) p-Isopropyltoluene	13.367	119	165764	19.982	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	87492	20.205	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	87539	20.155	ug/l	98
89) n-Butylbenzene	13.696	91	154639	19.770	ug/l	97
90) Hexachloroethane	13.958	117	31942	19.409	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	81776	20.215	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8837	19.556	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	53173	20.474	ug/l	99
94) Hexachlorobutadiene	15.111	225	29251	20.706	ug/l	97
95) Naphthalene	15.233	128	124386	19.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	48279	20.584	ug/l	99

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

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