

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016097.D
 Acq On : 27 Oct 2023 11:23
 Operator : SY/MD
 Sample : VY1027SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1027SBS01

Quant Time: Oct 30 06:05:53 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023
 Supervised By :Semsettin Yesilyurt 10/30/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	179348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	296884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	268078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	135477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	92479	51.856	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.720%			
35) Dibromofluoromethane	7.716	113	94148	50.233	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.460%			
50) Toluene-d8	10.179	98	350068	50.425	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.840%			
62) 4-Bromofluorobenzene	12.483	95	120924	50.778	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	24499	19.793	ug/l	93
3) Chloromethane	2.113	50	30818	20.319	ug/l	99
4) Vinyl Chloride	2.247	62	34742	20.051	ug/l	94
5) Bromomethane	2.637	94	26631	20.678	ug/l	96
6) Chloroethane	2.790	64	24682	20.796	ug/l	97
7) Trichlorofluoromethane	3.119	101	57270	20.654	ug/l	99
8) Diethyl Ether	3.527	74	19316	20.784	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	34014	20.334	ug/l	96
10) Methyl Iodide	4.088	142	41178	19.266	ug/l	97
11) Tert butyl alcohol	4.942	59	25250	111.566	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	31083	20.282	ug/l	94
13) Acrolein	3.729	56	23298	104.890	ug/l	99
14) Allyl chloride	4.472	41	48747	20.348	ug/l	92
15) Acrylonitrile	5.155	53	49286	108.102	ug/l	97
16) Acetone	3.948	43	51542	106.629	ug/l #	88
17) Carbon Disulfide	4.192	76	82535	19.469	ug/l	97
18) Methyl Acetate	4.478	43	37616	22.010	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	90564	20.722	ug/l	100
20) Methylene Chloride	4.716	84	45464	20.745	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	36663	20.638	ug/l	90
22) Diisopropyl ether	6.118	45	110537	21.101	ug/l	89
23) Vinyl Acetate	6.057	43	289929	103.298	ug/l	95
24) 1,1-Dichloroethane	6.021	63	66749	21.150	ug/l	98
25) 2-Butanone	6.984	43	70224	107.641	ug/l	94
26) 2,2-Dichloropropane	6.978	77	59920	20.423	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	42630	20.433	ug/l	94
28) Bromochloromethane	7.332	49	29420	22.786	ug/l	93
29) Tetrahydrofuran	7.344	42	40401	107.933	ug/l	91
30) Chloroform	7.502	83	70363	21.105	ug/l	98
31) Cyclohexane	7.789	56	56193	20.029	ug/l #	87
32) 1,1,1-Trichloroethane	7.704	97	61799	20.665	ug/l	98
36) 1,1-Dichloropropene	7.917	75	51303	19.637	ug/l	99
37) Ethyl Acetate	7.076	43	28154	21.025	ug/l #	95
38) Carbon Tetrachloride	7.899	117	55196	19.979	ug/l	92
39) Methylcyclohexane	9.185	83	60861	19.122	ug/l	95
40) Benzene	8.161	78	151365	20.464	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	13963m	19.924	ug/l	
42) 1,2-Dichloroethane	8.234	62	44180	20.671	ug/l	94
43) Isopropyl Acetate	8.277	43	51268	20.477	ug/l #	92
44) Trichloroethene	8.941	130	40995	19.849	ug/l	95
45) 1,2-Dichloropropane	9.215	63	38975	20.820	ug/l	94
46) Dibromomethane	9.307	93	22794	20.766	ug/l	97
47) Bromodichloromethane	9.496	83	54700	20.605	ug/l	97
48) Methyl methacrylate	9.295	41	22834	19.796	ug/l	86
49) 1,4-Dioxane	9.301	88	5827	424.300	ug/l #	56
51) 4-Methyl-2-Pentanone	10.069	43	140918	106.665	ug/l	91
52) Toluene	10.246	92	97437	20.514	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	55443	20.424	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	63214	20.592	ug/l	89
55) 1,1,2-Trichloroethane	10.648	97	32804	21.034	ug/l	97
56) Ethyl methacrylate	10.514	69	42015	20.962	ug/l #	83
57) 1,3-Dichloropropane	10.794	76	55325	21.221	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	109010	109.249	ug/l	94
59) 2-Hexanone	10.831	43	105549	108.457	ug/l	89
60) Dibromochloromethane	10.990	129	39888	20.886	ug/l	99
61) 1,2-Dibromoethane	11.093	107	30914	20.701	ug/l	98
64) Tetrachloroethene	10.721	164	35807	20.184	ug/l	95
65) Chlorobenzene	11.520	112	106742	20.262	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	40500	20.586	ug/l	99
67) Ethyl Benzene	11.593	91	186508	19.932	ug/l	98
68) m/p-Xylenes	11.703	106	145564	40.198	ug/l	96
69) o-Xylene	12.032	106	69881	20.157	ug/l	96
70) Styrene	12.044	104	118293	20.470	ug/l	95
71) Bromoform	12.209	173	24958	20.826	ug/l #	97
73) Isopropylbenzene	12.331	105	188246	19.744	ug/l	100
74) N-amyl acetate	12.148	43	45729	19.670	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	41040	21.057	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	26319m	19.028	ug/l	
77) Bromobenzene	12.611	156	44962	20.206	ug/l	97
78) n-propylbenzene	12.672	91	227139	19.675	ug/l	99
79) 2-Chlorotoluene	12.757	91	129465	20.024	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	156458	19.765	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	13210	20.754	ug/l	91
82) 4-Chlorotoluene	12.855	91	132643	19.782	ug/l	99
83) tert-Butylbenzene	13.074	119	136092	19.341	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	157761	20.179	ug/l	98
85) sec-Butylbenzene	13.257	105	208150	19.862	ug/l	100
86) p-Isopropyltoluene	13.373	119	171799	19.646	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	91119	20.280	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	89447	20.143	ug/l	99
89) n-Butylbenzene	13.696	91	163889	20.091	ug/l	97
90) Hexachloroethane	13.965	117	33298	19.558	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	81910	20.590	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6367	20.809	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	49078	19.941	ug/l	98
94) Hexachlorobutadiene	15.117	225	27824	19.479	ug/l	99
95) Naphthalene	15.239	128	94915	19.775	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	43047	20.282	ug/l	98

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

