

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122722\
 Data File : VY012013.D
 Acq On : 27 Dec 2022 13:25
 Operator : KP/MD
 Sample : VY1227SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/28/2022
 Supervised By :Mahesh Dadoda 01/03/2023

Quant Time: Dec 28 00:37:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	182124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	279551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	254389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	98232	53.537	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.080%			
35) Dibromofluoromethane	7.716	113	90996	54.068	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.140%			
50) Toluene-d8	10.179	98	361172	52.894	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.483	95	125663	54.720	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16146	13.034	ug/l	93
3) Chloromethane	2.113	50	17852	11.013	ug/l	99
4) Vinyl Chloride	2.253	62	22645	12.668	ug/l	100
5) Bromomethane	2.644	94	20059	15.773	ug/l	98
6) Chloroethane	2.790	64	17562	15.030	ug/l	95
7) Trichlorofluoromethane	3.125	101	55336	17.684	ug/l	99
8) Diethyl Ether	3.528	74	16974	17.580	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	30986	17.988	ug/l	97
10) Methyl Iodide	4.088	142	30266	12.699	ug/l	95
11) Tert butyl alcohol	4.954	59	15263	57.560	ug/l	99
12) 1,1-Dichloroethene	3.875	96	27503	15.961	ug/l	98
13) Acrolein	3.723	56	17203	100.297	ug/l	96
14) Allyl chloride	4.485	41	40537	15.975	ug/l	92
15) Acrylonitrile	5.161	53	42667	94.998	ug/l	99
16) Acetone	3.948	43	40487	77.341	ug/l	96
17) Carbon Disulfide	4.192	76	57369	10.437	ug/l	99
18) Methyl Acetate	4.479	43	22858	18.029	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	86985	19.675	ug/l	97
20) Methylene Chloride	4.716	84	44921	17.341	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	31973	16.331	ug/l	91
22) Diisopropyl ether	6.119	45	94092	18.828	ug/l	98
23) Vinyl Acetate	6.064	43	251830	87.584	ug/l	97
24) 1,1-Dichloroethane	6.015	63	59874	18.431	ug/l	98
25) 2-Butanone	6.984	43	51294	83.923	ug/l	92
26) 2,2-Dichloropropane	6.984	77	61839	19.454	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	39858	18.822	ug/l	98
28) Bromochloromethane	7.332	49	16412	18.411	ug/l	88
29) Tetrahydrofuran	7.344	42	30465	87.974	ug/l	90
30) Chloroform	7.509	83	70502	20.135	ug/l	98
31) Cyclohexane	7.783	56	45705	14.797	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	66907	20.090	ug/l	98
36) 1,1-Dichloropropene	7.917	75	47178	17.476	ug/l	98
37) Ethyl Acetate	7.076	43	22116	18.260	ug/l	97
38) Carbon Tetrachloride	7.899	117	61664	19.778	ug/l	93
39) Methylcyclohexane	9.179	83	52342	16.114	ug/l	95
40) Benzene	8.161	78	141133	18.268	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	11712m	19.997	ug/l	
42) 1,2-Dichloroethane	8.234	62	43829	19.707	ug/l	100
43) Isopropyl Acetate	8.271	43	40744	18.420	ug/l	95
44) Trichloroethene	8.935	130	40771	18.723	ug/l	96
45) 1,2-Dichloropropane	9.216	63	33467	18.749	ug/l	98
46) Dibromomethane	9.307	93	19608	19.070	ug/l	97
47) Bromodichloromethane	9.496	83	52649	20.184	ug/l	100
48) Methyl methacrylate	9.295	41	18243	17.812	ug/l	91
49) 1,4-Dioxane	9.295	88	5063	412.435	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	112389	95.287	ug/l	97
52) Toluene	10.246	92	96493	19.604	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	53495	20.296	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	58641	19.793	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	29637	20.312	ug/l	97
56) Ethyl methacrylate	10.508	69	36442	19.727	ug/l	96
57) 1,3-Dichloropropane	10.788	76	48659	19.984	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	68129	95.574	ug/l	95
59) 2-Hexanone	10.831	43	81679	94.131	ug/l	97
60) Dibromochloromethane	10.984	129	38700	21.055	ug/l	99
61) 1,2-Dibromoethane	11.087	107	26965	19.754	ug/l	97
64) Tetrachloroethene	10.721	164	43267	19.431	ug/l	94
65) Chlorobenzene	11.514	112	106449	20.153	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	41768	21.253	ug/l	99
67) Ethyl Benzene	11.593	91	189809	19.880	ug/l	99
68) m/p-Xylenes	11.703	106	149322	40.214	ug/l	100
69) o-Xylene	12.032	106	69849	20.217	ug/l	99
70) Styrene	12.044	104	121049	20.867	ug/l	99
71) Bromoform	12.209	173	24712	21.221	ug/l #	99
73) Isopropylbenzene	12.331	105	196655	20.184	ug/l	99
74) N-amyl acetate	12.142	43	36744	18.395	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	32450	19.964	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	27053m	16.558	ug/l	
77) Bromobenzene	12.605	156	46093	20.448	ug/l	95
78) n-propylbenzene	12.672	91	237774	20.302	ug/l	100
79) 2-Chlorotoluene	12.758	91	132614	20.144	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	172925	20.730	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	11402	19.111	ug/l	96
82) 4-Chlorotoluene	12.855	91	141578	20.785	ug/l	100
83) tert-Butylbenzene	13.075	119	148606	21.020	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	170502	20.776	ug/l	98
85) sec-Butylbenzene	13.251	105	220170	20.856	ug/l	99
86) p-Isopropyltoluene	13.367	119	188507	21.162	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	95133	20.986	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	91474	20.298	ug/l	99
89) n-Butylbenzene	13.696	91	167238	20.739	ug/l	98
90) Hexachloroethane	13.959	117	35468	20.868	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	82353	20.838	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5834	20.885	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	49394	21.246	ug/l	99
94) Hexachlorobutadiene	15.111	225	33118	22.046	ug/l	99
95) Naphthalene	15.239	128	87804	19.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	42658	21.703	ug/l	97

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

