

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012629.D
 Acq On : 16 Feb 2023 11:23
 Operator : KP/MD
 Sample : VY0216SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0216SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/17/2023
 Supervised By :Mahesh Dadoda 02/17/2023

Quant Time: Feb 16 21:57:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	123888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	182188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	169123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84788	53.820	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.640%			
35) Dibromofluoromethane	7.716	113	72579	54.702	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.400%			
50) Toluene-d8	10.179	98	295223	53.458	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.920%			
62) 4-Bromofluorobenzene	12.477	95	102545	53.235	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.460%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	20674	21.612	ug/l	99
3) Chloromethane	2.113	50	19185	19.875	ug/l	98
4) Vinyl Chloride	2.247	62	24639	20.488	ug/l	97
5) Bromomethane	2.638	94	20096	21.231	ug/l	97
6) Chloroethane	2.784	64	17432	20.825	ug/l	98
7) Trichlorofluoromethane	3.119	101	53518	21.651	ug/l	100
8) Diethyl Ether	3.521	74	15767	21.512	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	26734	21.418	ug/l	98
10) Methyl Iodide	4.088	142	31100	19.219	ug/l	99
11) Tert butyl alcohol	4.936	59	20856	132.869	ug/l	96
12) 1,1-Dichloroethene	3.869	96	25227	20.454	ug/l	98
13) Acrolein	3.723	56	16743	90.404	ug/l	99
14) Allyl chloride	4.473	41	29865	19.860	ug/l	98
15) Acrylonitrile	5.155	53	38673	114.366	ug/l	99
16) Acetone	3.942	43	40013	105.527	ug/l	97
17) Carbon Disulfide	4.186	76	56515	17.667	ug/l	98
18) Methyl Acetate	4.479	43	20209	22.174	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	81036	22.454	ug/l	97
20) Methylene Chloride	4.716	84	34036	21.636	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	27873	20.722	ug/l	94
22) Diisopropyl ether	6.112	45	67003	21.913	ug/l	95
23) Vinyl Acetate	6.058	43	199307	108.125	ug/l	98
24) 1,1-Dichloroethane	6.015	63	46048	21.066	ug/l	98
25) 2-Butanone	6.984	43	46540	110.627	ug/l	98
26) 2,2-Dichloropropane	6.978	77	51632	21.499	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	32653	20.919	ug/l	98
28) Bromochloromethane	7.332	49	17037	21.442	ug/l	97
29) Tetrahydrofuran	7.344	42	25947	114.085	ug/l	95
30) Chloroform	7.502	83	57027	21.639	ug/l	96
31) Cyclohexane	7.783	56	34691	19.046	ug/l #	87
32) 1,1,1-Trichloroethane	7.698	97	56125	21.946	ug/l	99
36) 1,1-Dichloropropene	7.917	75	36862	20.528	ug/l	99
37) Ethyl Acetate	7.070	43	18454	22.775	ug/l	98
38) Carbon Tetrachloride	7.899	117	53220	22.079	ug/l	97
39) Methylcyclohexane	9.179	83	43801	20.271	ug/l	99
40) Benzene	8.155	78	113867	21.469	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8697m	19.592	ug/l	
42) 1,2-Dichloroethane	8.234	62	39381	22.908	ug/l	99
43) Isopropyl Acetate	8.271	43	34066	22.676	ug/l	99
44) Trichloroethene	8.935	130	35637	22.073	ug/l	98
45) 1,2-Dichloropropane	9.209	63	24404	21.220	ug/l	99
46) Dibromomethane	9.301	93	16995	22.318	ug/l	100
47) Bromodichloromethane	9.496	83	43451	22.007	ug/l	96
48) Methyl methacrylate	9.289	41	14952	21.774	ug/l	93
49) 1,4-Dioxane	9.295	88	5369	510.747	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	94393	116.456	ug/l	100
52) Toluene	10.240	92	77821	21.637	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	44158	22.195	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	47219	21.931	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	26013	23.379	ug/l	96
56) Ethyl methacrylate	10.508	69	31807	22.753	ug/l	96
57) 1,3-Dichloropropane	10.788	76	40476	22.540	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	77683	123.632	ug/l	98
59) 2-Hexanone	10.831	43	70280	114.735	ug/l	99
60) Dibromochloromethane	10.984	129	34084	22.980	ug/l	97
61) 1,2-Dibromoethane	11.087	107	23712	22.744	ug/l	99
64) Tetrachloroethene	10.721	164	40216	22.777	ug/l	99
65) Chlorobenzene	11.514	112	88229	21.995	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	35256	22.429	ug/l	100
67) Ethyl Benzene	11.593	91	151155	21.464	ug/l	99
68) m/p-Xylenes	11.697	106	123771	44.032	ug/l	99
69) o-Xylene	12.026	106	59015	22.045	ug/l	100
70) Styrene	12.044	104	101528	22.363	ug/l	99
71) Bromoform	12.203	173	23860	24.014	ug/l #	99
73) Isopropylbenzene	12.331	105	161694	20.874	ug/l	99
74) N-amyl acetate	12.142	43	30683	21.882	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	27690	22.107	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	22843m	21.355	ug/l	
77) Bromobenzene	12.605	156	40659	21.656	ug/l	96
78) n-propylbenzene	12.666	91	185681	20.826	ug/l	99
79) 2-Chlorotoluene	12.752	91	106858	21.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	141373	21.201	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	10224	21.554	ug/l	97
82) 4-Chlorotoluene	12.855	91	112730	21.232	ug/l	100
83) tert-Butylbenzene	13.075	119	124529	21.296	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	139118	21.203	ug/l	99
85) sec-Butylbenzene	13.251	105	178380	21.323	ug/l	99
86) p-Isopropyltoluene	13.367	119	158041	21.777	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	81250	21.750	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	81490	21.778	ug/l	98
89) n-Butylbenzene	13.696	91	133155	21.468	ug/l	99
90) Hexachloroethane	13.959	117	28339	21.274	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	74359	22.127	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5645	22.648	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	47946	23.026	ug/l	99
94) Hexachlorobutadiene	15.111	225	29957	23.159	ug/l	99
95) Naphthalene	15.233	128	95330	23.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	42384	23.515	ug/l	98

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

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