

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030623\
 Data File : VY012815.D
 Acq On : 06 Mar 2023 12:04
 Operator : KP/MD
 Sample : VY0306SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/07/2023
 Supervised By :Mahesh Dadoda 03/07/2023

Quant Time: Mar 06 14:13:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	111490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	169171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	150606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50632	45.740	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.480%		
35) Dibromofluoromethane	7.716	113	49117	48.109	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.220%		
50) Toluene-d8	10.179	98	177881	47.659	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.320%		
62) 4-Bromofluorobenzene	12.483	95	62183	49.361	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	24037	21.874	ug/l	97
3) Chloromethane	2.113	50	26254	19.984	ug/l	98
4) Vinyl Chloride	2.253	62	24964	20.722	ug/l	97
5) Bromomethane	2.644	94	15389	21.023	ug/l	88
6) Chloroethane	2.790	64	14961	20.737	ug/l	96
7) Trichlorofluoromethane	3.125	101	42074	21.028	ug/l	100
8) Diethyl Ether	3.528	74	13824	19.716	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	25342	21.052	ug/l	99
10) Methyl Iodide	4.095	142	31867	20.317	ug/l	98
11) Tert butyl alcohol	4.954	59	15488	110.408	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	23999	20.903	ug/l	94
13) Acrolein	3.729	56	17769	91.623	ug/l	98
14) Allyl chloride	4.485	41	36797	17.351	ug/l	93
15) Acrylonitrile	5.155	53	35854	97.049	ug/l	100
16) Acetone	3.942	43	39837	91.688	ug/l	98
17) Carbon Disulfide	4.192	76	79812	20.423	ug/l	100
18) Methyl Acetate	4.479	43	22974	17.756	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	58813	19.833	ug/l	98
20) Methylene Chloride	4.716	84	31152	20.305	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	26044	20.875	ug/l	90
22) Diisopropyl ether	6.119	45	76715	19.916	ug/l	97
23) Vinyl Acetate	6.064	43	232038	96.951	ug/l	100
24) 1,1-Dichloroethane	6.021	63	43828	19.968	ug/l	98
25) 2-Butanone	6.984	43	49872	92.673	ug/l	97
26) 2,2-Dichloropropane	6.978	77	39013	20.012	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	27485	20.548	ug/l	98
28) Bromochloromethane	7.332	49	16238	20.244	ug/l	95
29) Tetrahydrofuran	7.344	42	31443	96.876	ug/l	97
30) Chloroform	7.502	83	45311	20.899	ug/l	98
31) Cyclohexane	7.789	56	40582	19.142	ug/l #	87
32) 1,1,1-Trichloroethane	7.704	97	40576	20.695	ug/l	99
36) 1,1-Dichloropropene	7.917	75	35118	20.526	ug/l	98
37) Ethyl Acetate	7.076	43	21922	20.329	ug/l	98
38) Carbon Tetrachloride	7.899	117	37299	21.112	ug/l	96
39) Methylcyclohexane	9.185	83	41042	20.178	ug/l	97
40) Benzene	8.161	78	102127	21.102	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	11028m	18.982	ug/l	
42) 1,2-Dichloroethane	8.234	62	30002	20.620	ug/l	99
43) Isopropyl Acetate	8.271	43	37294	19.385	ug/l	98
44) Trichloroethene	8.941	130	27585	21.619	ug/l	96
45) 1,2-Dichloropropane	9.216	63	24657	20.159	ug/l	98
46) Dibromomethane	9.307	93	14871	21.342	ug/l	98
47) Bromodichloromethane	9.496	83	34310	20.895	ug/l	99
48) Methyl methacrylate	9.295	41	16568	18.690	ug/l	93
49) 1,4-Dioxane	9.295	88	3709	411.750	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	103913	99.573	ug/l	99
52) Toluene	10.246	92	62687	21.478	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	35016	20.331	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	40931	20.996	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	20897	21.534	ug/l	96
56) Ethyl methacrylate	10.508	69	26033	20.119	ug/l	96
57) 1,3-Dichloropropane	10.788	76	34633	20.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	69261	101.966	ug/l	99
59) 2-Hexanone	10.831	43	74428	98.130	ug/l	98
60) Dibromochloromethane	10.984	129	25304	21.421	ug/l	100
61) 1,2-Dibromoethane	11.087	107	19638	21.008	ug/l	99
64) Tetrachloroethene	10.721	164	23524	21.453	ug/l	96
65) Chlorobenzene	11.514	112	66221	20.950	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.587	131	24944	21.327	ug/l	99
67) Ethyl Benzene	11.593	91	117258	21.100	ug/l	99
68) m/p-Xylenes	11.703	106	92440	43.239	ug/l	98
69) o-Xylene	12.032	106	41795	20.947	ug/l	98
70) Styrene	12.044	104	72677	21.827	ug/l	99
71) Bromoform	12.209	173	16222	21.272	ug/l #	100
73) Isopropylbenzene	12.331	105	111322	20.245	ug/l	99
74) N-amyl acetate	12.142	43	33428	19.322	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	25345	20.505	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	18285m	19.735	ug/l	
77) Bromobenzene	12.611	156	27428	20.533	ug/l	97
78) n-propylbenzene	12.672	91	140319	20.698	ug/l	99
79) 2-Chlorotoluene	12.758	91	78817	20.919	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	95864	21.126	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8606	19.246	ug/l	96
82) 4-Chlorotoluene	12.855	91	82698	21.203	ug/l	98
83) tert-Butylbenzene	13.075	119	82098	20.961	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	93947	21.172	ug/l	100
85) sec-Butylbenzene	13.251	105	126471	21.166	ug/l	99
86) p-Isopropyltoluene	13.367	119	103252	21.143	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	55311	21.469	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	55892	21.257	ug/l	99
89) n-Butylbenzene	13.696	91	96784	20.702	ug/l	99
90) Hexachloroethane	13.959	117	20936	20.584	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	49267	21.155	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4143	20.739	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	28856	20.124	ug/l	97
94) Hexachlorobutadiene	15.111	225	18073	20.665	ug/l	98
95) Naphthalene	15.239	128	56942	19.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	26522	20.797	ug/l	99

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

