

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015139.D
 Acq On : 16 Aug 2023 10:57
 Operator : SY/MD
 Sample : VY0816SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 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 16:17:26 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	198078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	285569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123492	51.937	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.880%			
35) Dibromofluoromethane	7.716	113	107997	52.670	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.340%			
50) Toluene-d8	10.179	98	397808	52.117	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.477	95	141059	50.597	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	20499	21.277	ug/l	98
3) Chloromethane	2.107	50	24624	18.403	ug/l	95
4) Vinyl Chloride	2.247	62	31059	19.705	ug/l	94
5) Bromomethane	2.625	94	23489	19.172	ug/l	96
6) Chloroethane	2.784	64	23848	20.840	ug/l	99
7) Trichlorofluoromethane	3.113	101	54813	20.639	ug/l	99
8) Diethyl Ether	3.527	74	20335	19.523	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	33818	20.488	ug/l	97
10) Methyl Iodide	4.082	142	27940	17.238	ug/l	99
11) Tert butyl alcohol	4.960	59	36398	82.098	ug/l #	78
12) 1,1-Dichloroethene	3.869	96	26776	19.427	ug/l	89
13) Acrolein	3.722	56	24644	139.724	ug/l	99
14) Allyl chloride	4.472	41	46191	18.902	ug/l	97
15) Acrylonitrile	5.161	53	71683	101.553	ug/l	98
16) Acetone	3.948	43	75382	97.045	ug/l	95
17) Carbon Disulfide	4.186	76	42272	17.427	ug/l	98
18) Methyl Acetate	4.472	43	56724	19.927	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	111607	19.044	ug/l	98
20) Methylene Chloride	4.716	84	41684	19.770	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	29261	18.821	ug/l	98
22) Diisopropyl ether	6.118	45	114291	18.743	ug/l #	95
23) Vinyl Acetate	6.057	43	341558	93.875	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	64217	19.453	ug/l	97
25) 2-Butanone	6.984	43	109254	99.338	ug/l	95
26) 2,2-Dichloropropane	6.978	77	56641	17.798	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	40445	19.044	ug/l	95
28) Bromochloromethane	7.325	49	30773	20.290	ug/l	93
29) Tetrahydrofuran	7.344	42	65861	100.149	ug/l	92
30) Chloroform	7.502	83	70863	19.148	ug/l	98
31) Cyclohexane	7.783	56	43457	18.872	ug/l #	80
32) 1,1,1-Trichloroethane	7.697	97	61842	19.638	ug/l	99
36) 1,1-Dichloropropene	7.917	75	44240	19.502	ug/l	99
37) Ethyl Acetate	7.069	43	42354	20.031	ug/l	97
38) Carbon Tetrachloride	7.892	117	53105	19.781	ug/l	98
39) Methylcyclohexane	9.179	83	49420	19.434	ug/l	95
40) Benzene	8.155	78	134658	19.634	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	22131m	20.298	ug/l	
42) 1,2-Dichloroethane	8.234	62	48994	19.670	ug/l	94
43) Isopropyl Acetate	8.270	43	74764	19.416	ug/l	99
44) Trichloroethene	8.935	130	39079	19.778	ug/l	99
45) 1,2-Dichloropropane	9.209	63	37779	19.535	ug/l	99
46) Dibromomethane	9.301	93	23950	19.635	ug/l	96
47) Bromodichloromethane	9.496	83	57375	19.712	ug/l	99
48) Methyl methacrylate	9.289	41	32232	19.568	ug/l	93
49) 1,4-Dioxane	9.295	88	9076	372.108	ug/l #	45
51) 4-Methyl-2-Pentanone	10.069	43	227560	101.970	ug/l	94
52) Toluene	10.240	92	88435	19.563	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	56673	18.527	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	60806	18.875	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	35757	19.280	ug/l	94
56) Ethyl methacrylate	10.508	69	52305	19.270	ug/l	91
57) 1,3-Dichloropropane	10.788	76	58988	19.467	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	128147	101.450	ug/l	94
59) 2-Hexanone	10.831	43	168098	101.776	ug/l	93
60) Dibromochloromethane	10.983	129	42885	19.384	ug/l	100
61) 1,2-Dibromoethane	11.087	107	34972	19.849	ug/l	100
64) Tetrachloroethene	10.721	164	41571	20.895	ug/l	95
65) Chlorobenzene	11.514	112	102279	19.657	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	41601	19.705	ug/l	99
67) Ethyl Benzene	11.593	91	176917	19.407	ug/l	97
68) m/p-Xylenes	11.703	106	135772	39.213	ug/l	96
69) o-Xylene	12.026	106	67463	19.559	ug/l	98
70) Styrene	12.044	104	115510	19.349	ug/l	97
71) Bromoform	12.209	173	29092	19.009	ug/l #	98
73) Isopropylbenzene	12.331	105	184457	19.556	ug/l	99
74) N-amyl acetate	12.142	43	66613	19.560	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	48033	19.553	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	37415m	20.995	ug/l	
77) Bromobenzene	12.605	156	45246	19.679	ug/l	99
78) n-propylbenzene	12.672	91	220391	19.676	ug/l	99
79) 2-Chlorotoluene	12.757	91	123769	19.155	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	155350	19.758	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	14672	18.083	ug/l	99
82) 4-Chlorotoluene	12.855	91	129898	19.459	ug/l	99
83) tert-Butylbenzene	13.074	119	140515	19.539	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	152762	19.444	ug/l	99
85) sec-Butylbenzene	13.251	105	211110	20.035	ug/l	99
86) p-Isopropyltoluene	13.367	119	171349	19.613	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	89189	19.558	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	90384	19.761	ug/l	98
89) n-Butylbenzene	13.696	91	163583	19.859	ug/l	97
90) Hexachloroethane	13.958	117	33219	19.167	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	85601	20.094	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9599	20.171	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	52991	19.375	ug/l	96
94) Hexachlorobutadiene	15.111	225	30489	20.494	ug/l	97
95) Naphthalene	15.233	128	131925	19.364	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	50063	20.268	ug/l	98

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

