

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101722\
 Data File : VY010977.D
 Acq On : 17 Oct 2022 18:07
 Operator : KP/MD
 Sample : VY1017SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1017SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 01:46:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	289115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	473033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	420897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	200550	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	128899	48.401	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.800%
35) Dibromofluoromethane	7.716	113	130882	49.620	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.240%
50) Toluene-d8	10.179	98	483415	48.944	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.477	95	167283	47.670	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.340%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	38229	19.935	ug/l	98
3) Chloromethane	2.113	50	55356	20.120	ug/l	94
4) Vinyl Chloride	2.247	62	62355	19.996	ug/l	99
5) Bromomethane	2.638	94	43648	20.237	ug/l	99
6) Chloroethane	2.784	64	41942	20.127	ug/l	99
7) Trichlorofluoromethane	3.119	101	92496	20.265	ug/l	93
8) Diethyl Ether	3.528	74	33662	19.763	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	57354	20.033	ug/l	94
10) Methyl Iodide	4.082	142	68085	19.435	ug/l	90
11) Tert butyl alcohol	4.942	59	38626	117.320	ug/l	99
12) 1,1-Dichloroethene	3.869	96	54474	19.862	ug/l	86
13) Acrolein	3.729	56	41003	95.504	ug/l	99
14) Allyl chloride	4.473	41	87902	20.211	ug/l #	87
15) Acrylonitrile	5.155	53	90131	101.517	ug/l	97
16) Acetone	3.942	43	69796	90.248	ug/l	90
17) Carbon Disulfide	4.186	76	160836	20.004	ug/l	99
18) Methyl Acetate	4.466	43	48608	20.690	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	151563	19.779	ug/l	99
20) Methylene Chloride	4.710	84	76603	18.785	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	63928	20.647	ug/l	88
22) Diisopropyl ether	6.113	45	188373	20.223	ug/l #	92
23) Vinyl Acetate	6.052	43	563341	101.137	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	112678	20.035	ug/l	98
25) 2-Butanone	6.984	43	113101	96.433	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	97270	19.477	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	72111	20.208	ug/l	89
28) Bromochloromethane	7.332	49	22755	14.135	ug/l	86
29) Tetrahydrofuran	7.344	42	73294	101.573	ug/l #	85
30) Chloroform	7.503	83	114626	20.219	ug/l	99
31) Cyclohexane	7.777	56	101882	19.992	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	99832	20.034	ug/l	96
36) 1,1-Dichloropropene	7.911	75	87393	19.846	ug/l	97
37) Ethyl Acetate	7.070	43	48436	19.867	ug/l #	93
38) Carbon Tetrachloride	7.893	117	90276	19.860	ug/l	96
39) Methylcyclohexane	9.179	83	104717	19.854	ug/l	91
40) Benzene	8.155	78	256357	19.841	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	27886	21.107	ug/l #	33
42) 1,2-Dichloroethane	8.234	62	71947	20.097	ug/l	91
43) Isopropyl Acetate	8.271	43	85775	19.692	ug/l #	89
44) Trichloroethene	8.935	130	68418	19.540	ug/l	95
45) 1,2-Dichloropropane	9.216	63	65249	19.904	ug/l	96
46) Dibromomethane	9.301	93	36635	20.037	ug/l	96
47) Bromodichloromethane	9.490	83	88469	20.079	ug/l	99
48) Methyl methacrylate	9.289	41	39711	20.370	ug/l #	80
49) 1,4-Dioxane	9.289	88	10152	386.444	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	242257	99.725	ug/l	89
52) Toluene	10.240	92	162597	20.257	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	89568	19.568	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	102984	19.661	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	53286	20.202	ug/l	99
56) Ethyl methacrylate	10.508	69	69587	19.863	ug/l #	77
57) 1,3-Dichloropropane	10.789	76	89985	19.842	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	120674	81.856	ug/l	97
59) 2-Hexanone	10.831	43	164647	98.668	ug/l	86
60) Dibromochloromethane	10.977	129	61945	19.750	ug/l	100
61) 1,2-Dibromoethane	11.087	107	50174	19.863	ug/l	100
64) Tetrachloroethene	10.715	164	64754	19.763	ug/l	96
65) Chlorobenzene	11.514	112	171734	19.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	63460	19.841	ug/l	97
67) Ethyl Benzene	11.587	91	305334	19.973	ug/l	100
68) m/p-Xylenes	11.697	106	234816	39.929	ug/l	95
69) o-Xylene	12.026	106	111063	19.889	ug/l	94
70) Styrene	12.044	104	189190	19.995	ug/l	96
71) Bromoform	12.203	173	38766	19.639	ug/l #	100
73) Isopropylbenzene	12.325	105	296421	20.344	ug/l	100
74) N-amyl acetate	12.142	43	73602	19.910	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	62127	20.317	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	52451m	23.036	ug/l	
77) Bromobenzene	12.605	156	68227	20.032	ug/l	99
78) n-propylbenzene	12.666	91	361417	20.387	ug/l	99
79) 2-Chlorotoluene	12.752	91	201431	20.176	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	252081	20.735	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	20890	19.732	ug/l	86
82) 4-Chlorotoluene	12.849	91	209573	20.161	ug/l	99
83) tert-Butylbenzene	13.075	119	216030	20.550	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	248126	20.698	ug/l	99
85) sec-Butylbenzene	13.251	105	322617	20.423	ug/l	100
86) p-Isopropyltoluene	13.367	119	264621	20.192	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	136995	20.155	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	136729	20.231	ug/l	98
89) n-Butylbenzene	13.697	91	246096	20.096	ug/l	99
90) Hexachloroethane	13.959	117	52336	20.236	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	123152	20.251	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9772	19.328	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	69869	19.223	ug/l	98
94) Hexachlorobutadiene	15.111	225	42429	19.832	ug/l	99
95) Naphthalene	15.233	128	141811	19.159	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	60971	19.229	ug/l	97

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

