

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009060.D
 Acq On : 24 May 2022 14:32
 Operator : KP/MD
 Sample : N2948-16MSD
 Misc : 3.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P036-SS001-0612-01MSD

Quant Time: May 25 02:52:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/27/2022
 Supervised By :Mahesh Dadoda 05/31/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	82239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	141641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	147113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	89846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	39638	46.832	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.660%		
35) Dibromofluoromethane	7.716	113	38762	44.009	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.020%		
50) Toluene-d8	10.179	98	117098	36.038	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	72.080%		
62) 4-Bromofluorobenzene	12.477	95	61998	47.300	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	42596	56.631	ug/l	95
3) Chloromethane	2.113	50	68615	63.675	ug/l	98
4) Vinyl Chloride	2.247	62	93291	58.436	ug/l	98
5) Bromomethane	2.644	94	80499	51.439	ug/l	96
6) Chloroethane	2.790	64	67239	59.450	ug/l	96
7) Trichlorofluoromethane	3.125	101	74234	54.754	ug/l	94
8) Diethyl Ether	3.528	74	26310	62.062	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	47043	56.457	ug/l	94
10) Methyl Iodide	4.088	142	51322	59.648	ug/l	94
11) Tert butyl alcohol	4.948	59	24443	284.712	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	43867	56.711	ug/l	81
13) Acrolein	3.729	56	3698	130.862	ug/l	98
14) Allyl chloride	4.473	41	65067	55.817	ug/l #	85
15) Acrylonitrile	5.155	53	73346	309.004	ug/l	99
16) Acetone	3.942	43	64267	364.776	ug/l #	89
17) Carbon Disulfide	4.192	76	136271	53.924	ug/l	98
18) Methyl Acetate	4.473	43	52356	95.431	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	146696	63.184	ug/l	96
20) Methylene Chloride	4.716	84	59908	62.957	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	55459	55.859	ug/l	83
22) Diisopropyl ether	6.113	45	169474	60.514	ug/l #	95
23) Vinyl Acetate	6.058	43	357469	192.962	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	97796	58.383	ug/l #	97
25) 2-Butanone	6.978	43	100153	318.269	ug/l	91
26) 2,2-Dichloropropane	6.978	77	90340	58.547	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	64440	57.577	ug/l	89
28) Bromochloromethane	7.332	49	35054	60.969	ug/l #	91
29) Tetrahydrofuran	7.344	42	67584	316.174	ug/l #	86
30) Chloroform	7.503	83	106562	58.933	ug/l	95
31) Cyclohexane	7.783	56	87742	52.990	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	93213	56.821	ug/l	99
36) 1,1-Dichloropropene	7.911	75	81252	54.207	ug/l	99
37) Ethyl Acetate	7.070	43	42232	54.315	ug/l	98
38) Carbon Tetrachloride	7.899	117	83327	53.142	ug/l	99
39) Methylcyclohexane	9.185	83	97122	50.198	ug/l	90
40) Benzene	8.161	78	240095	55.548	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	24203m	60.322	ug/l	
42) 1,2-Dichloroethane	8.234	62	74896	59.010	ug/l	94
43) Isopropyl Acetate	8.271	43	87715	60.671	ug/l #	92
44) Trichloroethene	8.935	130	60697	53.035	ug/l	95
45) 1,2-Dichloropropane	9.216	63	60211	58.015	ug/l	96
46) Dibromomethane	9.301	93	39331	59.599	ug/l	91
47) Bromodichloromethane	9.496	83	88219	58.493	ug/l	98
48) Methyl methacrylate	9.289	41	41872	64.861	ug/l #	84
49) 1,4-Dioxane	9.295	88	10305	1168.139	ug/l	86
51) 4-Methyl-2-Pentanone	10.069	43	254574	318.167	ug/l	93
52) Toluene	10.240	92	168432	55.761	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	97464	60.854	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	102620	59.602	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	54708	59.255	ug/l	98
56) Ethyl methacrylate	10.508	69	69676	59.028	ug/l	88
57) 1,3-Dichloropropane	10.789	76	91272	60.602	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	159706	312.736	ug/l	96
59) 2-Hexanone	10.831	43	183004	334.056	ug/l	92
60) Dibromochloromethane	10.984	129	65521	58.543	ug/l	97
61) 1,2-Dibromoethane	11.087	107	53574	58.557	ug/l	99
64) Tetrachloroethene	10.715	164	57824	54.002	ug/l	96
65) Chlorobenzene	11.514	112	182394	54.017	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	69014	55.819	ug/l	96
67) Ethyl Benzene	11.593	91	327337	53.793	ug/l	97
68) m/p-Xylenes	11.703	106	278353	112.683	ug/l	90
69) o-Xylene	12.026	106	129709	56.545	ug/l	93
70) Styrene	12.044	104	240609	60.993	ug/l	94
71) Bromoform	12.209	173	47780	58.296	ug/l #	99
73) Isopropylbenzene	12.331	105	343578	51.142	ug/l	100
74) N-amyl acetate	12.142	43	78740	50.799	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	76182	55.048	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	54919m	56.920	ug/l	
77) Bromobenzene	12.605	156	82169	52.763	ug/l	93
78) n-propylbenzene	12.672	91	431415	55.581	ug/l	100
79) 2-Chlorotoluene	12.758	91	236415	52.804	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	297929	52.908	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	26838	57.093	ug/l	87
82) 4-Chlorotoluene	12.855	91	257777	53.830	ug/l	97
83) tert-Butylbenzene	13.075	119	264536	52.952	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	308696	55.223	ug/l	98
85) sec-Butylbenzene	13.251	105	403183	52.748	ug/l	99
86) p-Isopropyltoluene	13.367	119	340426	53.408	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	176594	53.158	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	177936	53.313	ug/l	99
89) n-Butylbenzene	13.697	91	299482	51.358	ug/l	100
90) Hexachloroethane	13.959	117	61424	51.423	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	159124	54.263	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11448	53.282	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	74601	46.353	ug/l	99
94) Hexachlorobutadiene	15.111	225	32737	37.321	ug/l	97
95) Naphthalene	15.233	128	164198	50.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	65599	46.905	ug/l	99

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

