

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050724\
 Data File : VY018164.D
 Acq On : 07 May 2024 09:53
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/08/2024
 Supervised By :Semsettin Yesilyurt 05/08/2024

Quant Time: May 08 01:14:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 00:59:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	260612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	432616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	365030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	19618	10.232	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.460%#		
35) Dibromofluoromethane	7.716	113	23503	10.337	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.680%#		
50) Toluene-d8	10.179	98	93821	10.472	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.940%#		
62) 4-Bromofluorobenzene	12.483	95	30258	10.458	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.920%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	20683	10.007	ug/l	99
3) Chloromethane	2.107	50	26806	9.689	ug/l	99
4) Vinyl Chloride	2.241	62	31826	9.490	ug/l	98
5) Bromomethane	2.644	94	22013	9.451	ug/l	93
6) Chloroethane	2.784	64	20579	9.669	ug/l	90
7) Trichlorofluoromethane	3.119	101	37598	9.571	ug/l	98
8) Diethyl Ether	3.522	74	12239	9.464	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.893	101	24053	9.607	ug/l	97
10) Methyl Iodide	4.082	142	27123	9.277	ug/l	98
11) Tert butyl alcohol	4.936	59	9621	47.505	ug/l #	70
12) 1,1-Dichloroethene	3.863	96	24245	9.620	ug/l	92
13) Acrolein	3.723	56	11559	58.213	ug/l	99
14) Allyl chloride	4.467	41	31799	9.918	ug/l	95
15) Acrylonitrile	5.162	53	23365	46.982	ug/l	97
16) Acetone	3.936	43	18305	47.843	ug/l	89
17) Carbon Disulfide	4.192	76	61711	8.994	ug/l	99
18) Methyl Acetate	4.467	43	10065	9.235	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	56124	9.997	ug/l #	90
20) Methylene Chloride	4.710	84	27602	10.207	ug/l	97
21) trans-1,2-Dichloroethene	5.210	96	25007	9.360	ug/l	99
22) Diisopropyl ether	6.113	45	67618	9.942	ug/l	95
23) Vinyl Acetate	6.052	43	199878	48.350	ug/l	98
24) 1,1-Dichloroethane	6.009	63	40800	9.739	ug/l #	95
25) 2-Butanone	6.978	43	28887	47.233	ug/l	99
26) 2,2-Dichloropropane	6.978	77	36410	9.603	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	30418	9.634	ug/l	95
28) Bromochloromethane	7.326	49	17680	10.559	ug/l	95
29) Tetrahydrofuran	7.344	42	19656	48.689	ug/l	94
30) Chloroform	7.503	83	42491	9.716	ug/l	99
31) Cyclohexane	7.783	56	39958	8.943	ug/l #	94
32) 1,1,1-Trichloroethane	7.698	97	38692	9.871	ug/l	98
36) 1,1-Dichloropropene	7.911	75	31379	9.627	ug/l	99
37) Ethyl Acetate	7.070	43	11935	8.700	ug/l #	87
38) Carbon Tetrachloride	7.899	117	34616	9.720	ug/l	97
39) Methylcyclohexane	9.179	83	44313	9.424	ug/l	96
40) Benzene	8.155	78	101426	9.674	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	6326	7.986	ug/l	88
42) 1,2-Dichloroethane	8.228	62	21611	9.474	ug/l	98
43) Isopropyl Acetate	8.271	43	27136	9.650	ug/l	98
44) Trichloroethene	8.935	130	27498	9.635	ug/l	87
45) 1,2-Dichloropropane	9.216	63	22001	9.599	ug/l	98
46) Dibromomethane	9.301	93	12615	9.574	ug/l	96
47) Bromodichloromethane	9.490	83	30639	9.406	ug/l	97
48) Methyl methacrylate	9.289	41	11970	9.288	ug/l	97
49) 1,4-Dioxane	9.295	88	3563	203.709	ug/l #	100
51) 4-Methyl-2-Pentanone	10.069	43	65604	46.420	ug/l	97
52) Toluene	10.240	92	65930	9.768	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	29945	9.841	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	35733	9.607	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	18091	9.994	ug/l	98
56) Ethyl methacrylate	10.508	69	23073	9.385	ug/l #	90
57) 1,3-Dichloropropane	10.789	76	28999	9.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	61048	52.005	ug/l	91
59) 2-Hexanone	10.831	43	44582	45.116	ug/l	99
60) Dibromochloromethane	10.984	129	22393	9.535	ug/l	99
61) 1,2-Dibromoethane	11.087	107	16387	9.611	ug/l	95
64) Tetrachloroethene	10.721	164	23802	9.793	ug/l	98
65) Chlorobenzene	11.514	112	72715	9.781	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	22603	9.399	ug/l	94
67) Ethyl Benzene	11.593	91	120374	9.590	ug/l	94
68) m/p-Xylenes	11.703	106	95885	19.316	ug/l	97
69) o-Xylene	12.032	106	46348	9.729	ug/l	97
70) Styrene	12.044	104	77078	9.689	ug/l	96
71) Bromoform	12.209	173	12840	9.650	ug/l #	98
73) Isopropylbenzene	12.331	105	119396	9.851	ug/l	98
74) N-amyl acetate	12.142	43	23034	9.155	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	18580	9.610	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	12816m	9.905	ug/l	
77) Bromobenzene	12.611	156	26959	9.682	ug/l	94
78) n-propylbenzene	12.666	91	137771	9.773	ug/l	95
79) 2-Chlorotoluene	12.752	91	76673	9.788	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	94083	9.844	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	6513	9.698	ug/l	99
82) 4-Chlorotoluene	12.855	91	75974	9.655	ug/l	95
83) tert-Butylbenzene	13.075	119	88168	10.002	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	91343	9.757	ug/l	96
85) sec-Butylbenzene	13.252	105	127206	9.838	ug/l	99
86) p-Isopropyltoluene	13.367	119	104986	9.870	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	53456	9.941	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	51720	9.867	ug/l	98
89) n-Butylbenzene	13.697	91	93838	9.748	ug/l	99
90) Hexachloroethane	13.959	117	19971	9.570	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	46298	10.017	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2671	10.146	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	23554	9.065	ug/l	97
94) Hexachlorobutadiene	15.111	225	13299	9.277	ug/l	93
95) Naphthalene	15.233	128	42846	8.999	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	19216	9.012	ug/l	96

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

