

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032024\
 Data File : VY017721.D
 Acq On : 20 Mar 2024 10:17
 Operator : SY/MD
 Sample : VY0320SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/21/2024
 Supervised By :Semsettin Yesilyurt 03/21/2024

Quant Time: Mar 21 03:11:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	139016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	223247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	191477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	85159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	57043	43.296	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.600%		
35) Dibromofluoromethane	7.728	113	67163	43.173	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.340%		
50) Toluene-d8	10.191	98	255491	46.973	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.940%		
62) 4-Bromofluorobenzene	12.495	95	75314	44.059	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	17326	16.896	ug/l	99
3) Chloromethane	2.119	50	33689	17.980	ug/l	96
4) Vinyl Chloride	2.253	62	44330	18.442	ug/l	100
5) Bromomethane	2.656	94	37469	19.128	ug/l	96
6) Chloroethane	2.802	64	30718	20.258	ug/l	96
7) Trichlorofluoromethane	3.131	101	43760	17.862	ug/l	90
8) Diethyl Ether	3.534	74	12181	16.953	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.905	101	27209	19.309	ug/l	98
10) Methyl Iodide	4.101	142	28060	17.744	ug/l	99
11) Tert butyl alcohol	4.954	59	8330	74.433	ug/l #	88
12) 1,1-Dichloroethene	3.881	96	25268	19.241	ug/l	94
13) Acrolein	3.735	56	7782	52.700	ug/l	95
14) Allyl chloride	4.491	41	30893	19.469	ug/l	98
15) Acrylonitrile	5.167	53	24243	82.075	ug/l	99
16) Acetone	3.954	43	22938	89.762	ug/l	98
17) Carbon Disulfide	4.204	76	71196	18.062	ug/l #	95
18) Methyl Acetate	4.478	43	9359	15.096	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	51463	16.813	ug/l	98
20) Methylene Chloride	4.728	84	34130	19.378	ug/l	97
21) trans-1,2-Dichloroethene	5.234	96	30071	19.557	ug/l	95
22) Diisopropyl ether	6.131	45	72353	19.760	ug/l	94
23) Vinyl Acetate	6.070	43	194318	89.058	ug/l	97
24) 1,1-Dichloroethane	6.027	63	50227	20.078	ug/l	99
25) 2-Butanone	6.996	43	30544	83.871	ug/l	92
26) 2,2-Dichloropropane	6.996	77	43287	20.581	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	32909	19.062	ug/l	97
28) Bromochloromethane	7.344	49	17505	17.768	ug/l	98
29) Tetrahydrofuran	7.362	42	16612	75.671	ug/l	100
30) Chloroform	7.515	83	52483	19.706	ug/l	99
31) Cyclohexane	7.795	56	42103	19.637	ug/l	94
32) 1,1,1-Trichloroethane	7.716	97	45903	19.852	ug/l	97
36) 1,1-Dichloropropene	7.929	75	40759	19.419	ug/l	97
37) Ethyl Acetate	7.088	43	13508	16.294	ug/l	97
38) Carbon Tetrachloride	7.911	117	40423	19.216	ug/l	96
39) Methylcyclohexane	9.197	83	46705	18.516	ug/l	95
40) Benzene	8.173	78	117936	18.921	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	7417m	17.829	ug/l	
42) 1,2-Dichloroethane	8.246	62	27172	17.867	ug/l	99
43) Isopropyl Acetate	8.283	43	23231	15.947	ug/l	98
44) Trichloroethene	8.947	130	32558	18.122	ug/l	95
45) 1,2-Dichloropropane	9.228	63	28248	19.048	ug/l	96
46) Dibromomethane	9.319	93	14719	17.343	ug/l	99
47) Bromodichloromethane	9.508	83	38188	18.531	ug/l	95
48) Methyl methacrylate	9.307	41	10838	16.073	ug/l	98
49) 1,4-Dioxane	9.307	88	2727	283.914	ug/l #	98
51) 4-Methyl-2-Pentanone	10.081	43	61378	75.598	ug/l	99
52) Toluene	10.252	92	73654	18.744	ug/l	100
53) t-1,3-Dichloropropene	10.477	75	33082	17.296	ug/l	94
54) cis-1,3-Dichloropropene	9.941	75	42451	18.265	ug/l	96
55) 1,1,2-Trichloroethane	10.654	97	20681	17.162	ug/l	99
56) Ethyl methacrylate	10.520	69	20546	15.693	ug/l	98
57) 1,3-Dichloropropane	10.801	76	34067	17.388	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	52490	75.487	ug/l	100
59) 2-Hexanone	10.843	43	43137	77.352	ug/l	99
60) Dibromochloromethane	10.996	129	24594	17.252	ug/l	98
61) 1,2-Dibromoethane	11.099	107	18647	16.792	ug/l	99
64) Tetrachloroethene	10.727	164	33480	18.217	ug/l	95
65) Chlorobenzene	11.526	112	77191	18.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	27516	18.072	ug/l	99
67) Ethyl Benzene	11.605	91	135496	19.010	ug/l	97
68) m/p-Xylenes	11.715	106	107375	38.338	ug/l	99
69) o-Xylene	12.044	106	48862	18.805	ug/l	98
70) Styrene	12.056	104	78646	18.235	ug/l	99
71) Bromoform	12.221	173	13647	16.174	ug/l #	98
73) Isopropylbenzene	12.343	105	129077	20.402	ug/l	99
74) N-amyl acetate	12.154	43	18054	16.179	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.593	83	20064	18.468	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	13977m	17.274	ug/l	
77) Bromobenzene	12.617	156	28969	18.907	ug/l	97
78) n-propylbenzene	12.684	91	159122	20.961	ug/l	100
79) 2-Chlorotoluene	12.770	91	86092	20.256	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	103379	20.395	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	5772	16.391	ug/l	97
82) 4-Chlorotoluene	12.867	91	88454	20.347	ug/l	99
83) tert-Butylbenzene	13.087	119	91721	20.607	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	100112	20.006	ug/l	99
85) sec-Butylbenzene	13.263	105	140435	20.637	ug/l	99
86) p-Isopropyltoluene	13.379	119	111933	20.093	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	57609	18.733	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	57692	19.296	ug/l	98
89) n-Butylbenzene	13.709	91	103395	20.343	ug/l	98
90) Hexachloroethane	13.971	117	22632	20.265	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	48459	18.629	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2380	15.583	ug/l	96
93) 1,2,4-Trichlorobenzene	15.019	180	22706	16.525	ug/l	98
94) Hexachlorobutadiene	15.123	225	16114	18.995	ug/l	96
95) Naphthalene	15.251	128	32288	15.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	18234	15.469	ug/l	100

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

