

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
 Data File : VY012023.D
 Acq On : 29 Dec 2022 13:18
 Operator : KP/MD
 Sample : VY1229SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1229SBS01

Quant Time: Dec 30 03:57:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	181732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	275439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	253529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133817	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89177	48.706	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.420%
35) Dibromofluoromethane	7.722	113	81389	49.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.160%
50) Toluene-d8	10.179	98	319431	47.479	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.960%
62) 4-Bromofluorobenzene	12.483	95	114925	50.791	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.580%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.906	85	38192	27.516	ug/l	95
3) Chloromethane	2.113	50	35064	21.679	ug/l	98
4) Vinyl Chloride	2.253	62	39866	22.350	ug/l	99
5) Bromomethane	2.650	94	29818	23.497	ug/l	99
6) Chloroethane	2.796	64	26496	22.726	ug/l	99
7) Trichlorofluoromethane	3.125	101	75905	24.309	ug/l	98
8) Diethyl Ether	3.534	74	21083	21.883	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.900	101	37944	22.075	ug/l	95
10) Methyl Iodide	4.088	142	52057	21.889	ug/l	97
11) Tert butyl alcohol	4.954	59	16260	64.250	ug/l	100
12) 1,1-Dichloroethene	3.875	96	37971	22.084	ug/l	96
13) Acrolein	3.729	56	15880	92.783	ug/l	99
14) Allyl chloride	4.479	41	51384	20.294	ug/l	90
15) Acrylonitrile	5.161	53	45813	102.223	ug/l	99
16) Acetone	3.954	43	42841	81.719	ug/l	95
17) Carbon Disulfide	4.198	76	122891	22.406	ug/l	99
18) Methyl Acetate	4.479	43	23481	18.560	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	99664	22.591	ug/l	96
20) Methylene Chloride	4.716	84	48599	19.379	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	43522	22.277	ug/l	95
22) Diisopropyl ether	6.125	45	104849	21.025	ug/l #	95
23) Vinyl Acetate	6.064	43	301266	105.003	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	69820	21.539	ug/l	99
25) 2-Butanone	6.984	43	55646	91.239	ug/l #	89
26) 2,2-Dichloropropane	6.984	77	70242	22.145	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	47276	22.374	ug/l	95
28) Bromochloromethane	7.338	49	16495	18.544	ug/l	88
29) Tetrahydrofuran	7.350	42	33427	96.736	ug/l	89
30) Chloroform	7.509	83	78244	22.395	ug/l	98
31) Cyclohexane	7.789	56	63652	20.651	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	76133	22.910	ug/l	98
36) 1,1-Dichloropropene	7.917	75	59569	22.396	ug/l	98
37) Ethyl Acetate	7.076	43	26138	21.903	ug/l	96
38) Carbon Tetrachloride	7.899	117	72749	23.682	ug/l	98
39) Methylcyclohexane	9.185	83	72003	22.497	ug/l	98
40) Benzene	8.161	78	170257	22.367	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11632m	20.157	ug/l	
42) 1,2-Dichloroethane	8.240	62	50940	23.247	ug/l	99
43) Isopropyl Acetate	8.271	43	45152	20.717	ug/l	95
44) Trichloroethene	8.941	130	49620	23.127	ug/l	99
45) 1,2-Dichloropropane	9.216	63	37424	21.279	ug/l	99
46) Dibromomethane	9.307	93	23069	22.772	ug/l	99
47) Bromodichloromethane	9.496	83	57717	22.457	ug/l	99
48) Methyl methacrylate	9.295	41	20972	20.783	ug/l	94
49) 1,4-Dioxane	9.301	88	5417	447.860	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	118241	101.745	ug/l	97
52) Toluene	10.246	92	111988	23.092	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	59577	22.941	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	65387	22.399	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	32195	22.395	ug/l	94
56) Ethyl methacrylate	10.508	69	40565	22.287	ug/l	96
57) 1,3-Dichloropropane	10.795	76	52373	21.830	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	68393	97.377	ug/l	93
59) 2-Hexanone	10.831	43	84181	98.462	ug/l	96
60) Dibromochloromethane	10.984	129	41739	23.047	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30912	22.983	ug/l	98
64) Tetrachloroethene	10.721	164	51816	23.349	ug/l	94
65) Chlorobenzene	11.514	112	118178	22.450	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	45314	23.136	ug/l	98
67) Ethyl Benzene	11.593	91	216060	22.706	ug/l	99
68) m/p-Xylenes	11.703	106	168800	45.614	ug/l	100
69) o-Xylene	12.032	106	79587	23.114	ug/l	98
70) Styrene	12.044	104	135992	23.522	ug/l	99
71) Bromoform	12.209	173	26777	23.072	ug/l #	98
73) Isopropylbenzene	12.331	105	216566	21.809	ug/l	99
74) N-amyl acetate	12.142	43	40448	19.868	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	33403	20.164	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	27414m	16.464	ug/l	
77) Bromobenzene	12.611	156	50684	22.062	ug/l	94
78) n-propylbenzene	12.672	91	258577	21.663	ug/l	99
79) 2-Chlorotoluene	12.758	91	144375	21.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	189854	22.331	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	12492	20.545	ug/l	98
82) 4-Chlorotoluene	12.855	91	151634	21.843	ug/l	99
83) tert-Butylbenzene	13.075	119	160645	22.296	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	187195	22.381	ug/l	99
85) sec-Butylbenzene	13.251	105	234268	21.774	ug/l	99
86) p-Isopropyltoluene	13.367	119	203313	22.395	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	100717	21.800	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	100184	21.812	ug/l	99
89) n-Butylbenzene	13.697	91	178806	21.757	ug/l	99
90) Hexachloroethane	13.959	117	36984	21.351	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	88924	22.077	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6148	21.595	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	55308	23.343	ug/l	100
94) Hexachlorobutadiene	15.111	225	35948	23.480	ug/l	98
95) Naphthalene	15.239	128	101479	22.225	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	46808	23.366	ug/l	98

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

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